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septa. The specimens examined were apparently superficial, but it is probable that the fungus grew while the limb was still invested with the bark through longitudinal cracks in which the ostiola penetrated.

(To be continued.)

NEW LITERATURE.

BY W. A. KELLERMAN.

“FOURTEENTH ANNUAL REPORT OF THE NEW YORK STATE MUSEUM OF NATURAL HISTORY, FOR THE YEAR 1886.” Report of the botanist. Chas. H. Peck, pp. 37-77.

The following new species are described: *Collybia fuliginella*, Peck; *Clitopilus subvilis*, Peck; *Polyporus radiculosus*, Peck; *Hydnum sub-fuscum*, Peck; *H. carbonarium*, Peck; *Irpelex ambiguus*, Peck; *Pörothelium pupillatum*, Peck; *Hymenochaete tenuis*, Peck; *Phyllosticta Lycopersici*, Peck, on *L. esculentum*; *P. Caryæ*, Peck, on *C. alba*; *P. tumoricola*, Peck, on *Quercus alba*; *P. populina*, Sacc., var. *parva*, Peck, on *P. monilifera*; *P. spermoides*, Peck, on *Vitis riparia*; *P. faginea*, Peck, on *Fagus ferruginea*; *P. vagans*, Peck, on *Smilacina racemosa*; *P. fatiscens*, Peck, on *Nuphar advena*; *Phoma magnifructa*, Peck, on *Thuja occidentalis*; *P. Populi*, Peck, on *P. tremuloides*; *P. castanea*, Peck, on *C. vesca*; *Cytospora grandis*, Peck, on dead bark of *Rhus typhina*; *Haplosporella Pini*, Peck, on dead bark of white pine; *Diplodia Asparagi*, Peck, on dead stems of asparagus; *Staganospora Chenopodii*, Peck, on *Chenopodium album*; *Septoria fusca*, Peck, on *Artemisia vulgaris*; *S. solidaginicola*, Peck, on *S. arguta*; *S. brevis*, Peck, on *Solidago Virgaurea*, var. *alpina*; *S. populicola*, Peck, on *P. balsamifera*; *Pilidium graminicola*, Peck, on *Calamagrostis Canadensis*; *Melanconium dimorphum*, Peck, on *Alnus viridis*; *Corynium tumoricola*, Peck, on *Ulmus Americana*; *Ramularia Barbareæ*, Peck, on *B. vulgaris*; *Cladosporium brevipes*, Peck, on living leaves of *Quercus alba*; *Graphium Sorbi*, Peck, on *Pyrus Americana*; *Helotium episphæricum*, Peck, on old *Hypoxylon Morsei*; *Ascomyces letifer*, Peck, on *Acer spicatum*; *A. rubrobrunneus*, Peck, on *Quercus rubra*; *Valsa Thujæ*, Peck, on *T. occidentalis*; *Anthostoma Ellissii*, Sacc., var. *exudans*, Peck, on dead bark of *Alnus incana*; *Sphærella minutissima*, Peck, on *Alnus incana*; *S. alnicola*, Peck, on *A. viridis*; *S. Pontederiæ*, Peck, on *P. cordata*; *Diaporthe (Chorostate) farinosa*, Peck, on *Tilia Americana*; *Leptosphæria Asparagi*, Peck, on asparagus; *Pleospora Shepherdiae*, Peck, on *S. Canadensis*; *Dothidella Alni*, Peck, on *A. viridis*; *Lophiotrema vestita*, Peck, on *Populus tremuloides* and *L. parasitica*, Peck, on *Hypoxylon Morsei*.

“PUCCINIA MIRABILISSIMA,” Tracy & Galloway. Botanical Gazette, May, 1888.

“PLANT DISEASES—USTILAGO SEGETUM IN OATS AND BARLEY.” J. L. Jensen. The Gardener's Chronicle, May, 5, 1888.